

Compressed natural gas (CNG):

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What is compressed natural gas ?

Natural gas is found in underground formations, including shale, sandstone beds, coal seams, and deep salt water aquifers (underground ponds of water). CNG is natural gas stored at very high pressures to increase its energy density. It's odorless, colorless, and tasteless. Although the CNG we use is not renewable, by using CNG instead of gasoline, emissions are potentially reduced 90-97% for carbon monoxide, 25% for carbon dioxide, and 35-60% for nitrogen oxides. Fewer toxic and carcinogenic pollutants are emitted, and almost no particulate matter is produced.



CNG use at GRC:

At GRC, 38 vehicles use CNG: shuttle buses, cargo vans, passenger vans, pick-up trucks, and passenger cars. CNG is also being used in GRC's testing facilities; the Aero-Acoustical Propulsion Laboratory recently converted from JP-8 (a kerosene-based fuel used by the military and commercial airlines) to CNG because of odor complaints from surrounding buildings. CNG burns cleaner and with fewer emissions than JP-8.